

IN THE CLAIMS:

All pending claims and their present status are produced below.

1. (Currently Amended) A printer for generating media representations of a collection of media programs received from a media receiver, the printer comprising:
 - a print drive interface for receiving scheduling preferences comprising a media program;
 - a control module for setting the media receiver to a channel that includes media program scheduling information;
 - an extraction module for extracting, from the channel, scheduling information associated with the media program;
 - a processing logic for generating a list of scheduled play times of the media program based on the extracted scheduling information, ~~the list comprising one or more user selectable barcodes for each play time of the media program, wherein each barcode is associated with an action that is performed by the printer responsive to user selection of the barcode;~~
 - a print engine for printing the list of scheduled play times of the media program, the list comprising one or more user selectable barcodes for each play time of the media program, wherein each barcode is associated with an action that is performed by the printer responsive to user selection of the barcode; and
 - a media transfer interface for permitting communication between the printer and the media receiver, the media transfer interface being coupled to the media receiver.

2. (Original) The system of claim 1, further comprising media content recognition software for recognizing features in media content.

3. (Original) The system of claim 2, wherein the media content recognition software further comprises speech recognition software.

4. (Original) The system of claim 2, wherein the media content recognition software further comprises optical character recognition software.

5. (Original) The system of claim 2, wherein the media content recognition software further comprises face detection software.

6. (Original) The system of claim 2, wherein the media content recognition software further comprises speaker detection software.

7. (Original) The system of claim 2, wherein the media content recognition software further comprises keyframe selection software.

8. (Original) The system of claim 2, wherein the media content recognition software further comprises face recognition software.

9. (Previously Presented) The system of claim 1, further comprising processing logic for controlling display of a user interface, wherein the user interface permits the user to control actions of the printer.

10. (Cancelled)

11. (Previously Presented) The system of claim 1, further comprising a storage medium for storing lists of scheduled play times of media programs in electronic format.

12. (Previously Presented) The system of claim 1, wherein the list of scheduled play times of the media program generated by the processing logic is stored on a digital storage medium.

13. (Original) The system of claim 1, further comprising one or more user interaction devices that permit the user to interact with the printer and control the printer's actions, wherein the user interaction devices are external to the printer.

14. (Previously Presented) The system of claim 1, wherein the list of scheduled play times of the media program is generated in paper format that includes at least one user-selectable identifier allowing a user to access and control media content.

15. (Cancelled)

16. (Previously Presented) The system of claim 1, wherein the one or more user selectable barcodes comprises at least one record barcode that can be scanned and responsive to the scanning of the record barcode the printer performs an action of recording a media program associated with the record barcode.

17. (Previously Presented) The system of claim 1, wherein the one or more user selectable barcodes comprises at least one play barcode that can be scanned and responsive to the scanning of the record barcode the printer performs an action of playing, on a display device, a media program associated with the play barcode.

18. (Original) The system of claim 14, wherein the at least one user-selectable identifier comprises at least one numerical identifier which the user can type into an external device to access and control media content.

19. (Cancelled)

20. (Currently Amended) In a computer system comprising a media receiver in communication with a printer, a method for generating media representations of a collection of media programs at the printer, the method performed by the printer and comprising:

receiving scheduling preferences comprising a media program;

setting the media receiver to a channel that includes media program scheduling information;

extracting, from the channel, scheduling information associated with the media program; and

generating a list of scheduled play times of the media program based on the extracted

scheduling information, ~~the list comprising one or more user selectable~~

~~barcodes for each play time of the media program, wherein each barcode is~~

~~associated with an action that is performed by the printer responsive to user~~

~~selection of the barcode; and~~

printing the list of scheduled play times of the media program, the list comprising one or more user selectable barcodes for each play time of the media program, wherein each barcode is associated with an action that is performed by the printer responsive to user selection of the barcode.

21. (Previously Presented) The method of claim 20, further comprising recognizing media content extracted from the media receiver.

22. (Previously Presented) The method of claim 20, further comprising sending commands to the media receiver to control actions of the media receiver.

23. (Original) The method of claim 20, further comprising scheduling actions of the media receiver to occur at predefined times.

24. (Previously Presented) The method of claim 20, wherein the scheduling preferences further comprise user-defined time periods that the list of schedule play times is generated.

25. (Previously Presented) The method of claim 24, wherein the scheduling preferences are entered into a profile that controls actions of the printer which controls actions of the media receiver.

26. (Previously Presented) The method of claim 20, wherein the list of scheduled play times of the media program includes specific information about the media program.

27. (Previously Presented) The method of claim 20, wherein generating a list of scheduled play times of the media program further comprises formatting the list based on a pre-defined user preferences profile.

28. (Previously Presented) The method of claim 20, further comprising updating the generated list of scheduled play times of the media program to include current schedule information associated with the media program.

29. (Previously Presented) The method of claim 20, wherein generating a list of scheduled play times of the media program further comprises:

performing optical character recognition on the channel that includes media program scheduling information to read schedule information content and generate a representation of the schedule information content.

30. (Previously Presented) The method of claim 20, wherein generating a list of scheduled play times of the media program further comprises searching for specific user-defined features within the media content and displaying search results.

31. (Previously Presented) The method of claim 20, further comprising monitoring commands from an external interface, wherein the commands include a request to generate the list of scheduled play times of the media program, wherein the request includes user-defined parameters.

32. (Previously Presented) The method of claim 20, further comprising monitoring commands from an external device, wherein the commands include a request to update an internal table that stores the association between barcodes printed on the list of scheduled play times and the actions that can be executed by the printer in response to a selection of the barcodes.

33. (Original) The method of claim 20, further comprising recording media content and storing the media content on a storage medium, wherein the stored media content can be played in response to commands received from an external device interface.

34. (Original) The method of claim 20, further comprising a web server with a common gateway interface for controlling the schedule for recording and playing of media content.

35. (Cancelled)

36. (Previously Presented) The method of claim 20, further comprising receiving a selection of a barcode that causes the printer to perform an action of recording a media program associated with the barcode.

37. (Previously Presented) The method of claim 20, further comprising receiving a selection of a barcode that causes the printer to play, on a display device, a media program associated with the barcode.

38. (Previously Presented) The method of claim 20, further comprising updating a database that stores current schedule information associated with the media program and information associated with the one or more user selectable barcodes.

39. (Previously Presented) The method of claim 20, further comprising advancing the media program scheduling information, wherein advancing the media program scheduling information comprises:

capturing a first frame of a current display of the media program scheduling information on the channel;

sending a command to the media receiver to advance the current display of the media program scheduling information on the channel;

capturing a second frame of the advanced display of the media program scheduling information on the channel; and

comparing the first frame to the second frame to determine if the scheduling information has changed and to determine if the display of the media program scheduling information should be advanced.